BUSINESS SENSITIVE

Performance Risk Registry – Long Shutdown (August 2012)

Nr.	Risk* Statement (A risk event statement states what might happen in the future)	Consequences (Clarify possible impact on the mission and other relevant areas)	Unmitigated Risk High / Mod / Low	Probability of Occurrence High / Mod / Low	Date Identified / Updated	Plan/Steps for Mitigation (Include implementation dates for high impact actions)	Mitigated Risk High / Mod / Low	Time to Effectively Mitigate <6 mos. / 6-12 mos. / 12-16 mos.	Performance Metric(s) PEMP or KPI metrics	Responsible for Mitigation Plans / Actions
1	LSD budget will be significantly constrained and the Accelerator will not restart per the current schedule	• LSD completion will be significantly delayed; Accelerator will not restart per the current schedule • Scope of work necessary for successful 12GeV program will not occur • Required personnel skills will be lost • Failure to meet PEMP / contract goals • Negative impact and reputation with User community	High	High	May 2012 Updated: August 2012	• Prioritized ACC OPS funding for Cryo warmup issues • Plan implemented for optimized electrical costs • Lab staff shifted to address resource needs (vs. external spending) • Re-baseline in October with updated information • Sequential integrated scheduling, including items not normally associated with Downs but having an impact • Identification and tracking of critical items in each milestone • Resource alignment plan • Regular status meetings with key personnel • CASA Operational restart plan • Lengthen the Long Shutdown depending on budget variables	High	12-16 months	• Budget • Schedule vs. Actual • Resource needs vs. Actual	Fulvia Pilat
2	Cryo system warmup / cooldown will involve extensive unexpected CHL1 / Transfer Line maintenance work	• Cryomodule Operations restart and thus checkout and commissioning will be significantly delayed • Loss of Accelerator gradient • LSD completion will be significantly delayed • Significant overall performance reduction at startup	High	Moderate	May 2012 Updated: August 2012	• Prioritized ACC OPS funding for Cryo warmup issues, allowing currently scheduled work to happen • Maintenance schedule created and resource loaded; necessary parts and equipment ordered • Controlled warmup incorporated into overall plan (to mitigate loss of gradient) • Cryomodule recommissioning and reprocessing Program Manager appointed (Mike Drury) • Klystron maintenance plan Program Manager appointed (Bill Merz)	High	6-12 months	• Schedule vs. Actual • Change Control Process	Will Oren / Steve Suhring

BUSINESS SENSITIVE

Nr.	Risk* Statement (A risk event statement states what might happen in the future)	Consequences (Clarify possible impact on the mission and other relevant areas)	Unmitigated Risk High / Mod / Low	Probability of Occurrence High / Mod / Low	Date Identified / Updated	Plan/Steps for Mitigation (Include implementation dates for high impact actions)	Mitigated Risk High / Mod / Low	Time to Effectively Mitigate <6 mos. / 6-12 mos. / 12-16 mos.	Performance Metric(s) PEMP or KPI metrics	Responsible for Mitigation Plans / Actions
3	CHL1 Header Line replacement work will be more extensive than scheduled	• Cryomodule commissioning will be significantly delayed • LSD completion will be significantly delayed	High	Moderate	May 2012 Updated: August 2012	• RFQ released with contractor specific mitigation plan (CHL2 substitution) and expectations incorporated, including critical dates required to be met; translates to contract as well • Ample float incorporated into schedule • Prioritized ACC OPS funding for Cryo warmup issues	Low	6-12 months	• Schedule vs. Actual • Change Control Process	Bob Sperlazza